

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Timothy B. Sercombe,
Graham B. Schaffer, Kenneth J.
Newell, and Kris Alan Schmidt

) Attorney Docket No.: USA.301-1

Title: INFILTRATED ALUMINUM
PREFORMS

) Express Mail Label No.: EV233757972US

Date Filed: March , 2004

) Customer No.: 022514

MS PATENT APPLICATION

U.S. Patent and Trademark Office
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March 15, 2004

Date of Deposit

Carolyn Cerrato

Name

Carol Cerrato

Signature

UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s): Graham Barry Schaffer, Timothy Barry Sercombe, Kenneth J. Newell and Kris Alan Schmidt.

APPLICATION ELEMENTS

1. **Fee Transmittal Form.**

2. **Type of Application.**

This new application is for a(n) (*check one applicable item below*):

☐ Original

☐ Divisional

☐ Continuation

☒ Continuation-in-part (CIP) of Prior Application No.: 10/260,158

Examiner: Ing Hour Lin

Group Art Unit: 1725

3. **Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

☒ Pages of Specification

Total Pages: 25

- ☒ Drawings - Informal Total Sheets: 6
- ☒ Oath or Declaration and Power of Attorney for
Patent Application
- ☒ Newly executed (original or copy)
- ☐ Copy from a prior application (37 CFR 1.63(d))

4. Additional Papers Enclosed.

- ☒ Associate Power of Attorney
- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449
Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

5. Inventorship.

The inventorship names and addresses for all the claims in this application are:

Graham Barry Schaffer, 499 Fig Tree Pocket Road, Fig Tree Pocket, Brisbane,
Queensland 4072, Australia

Timothy Barry Sercombe, 1/29 Brisbane Street, St. Lucia, Brisbane, Queensland 4067,
Australia


Kenneth J. Newell, 33822 A Copper Lantern, Dana Point, California 92629

Kris Alan Schmidt, 10354 Danube Ave., Granada Hills, California 91344

6. Language.

- ☒ English

Dated: 3/15/04



Ralph D'Alessandro
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Attorney for Applicants

3D Systems, Inc.
26081 Avenue Hall
Valencia, CA 91355
(661) 295-5600, ext. 2404

☒ Statement Where No Further Pages Added.

☒ This Transmittal Ends With This Page.

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05909 U.S. PTO

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$749.00

Complete if Known

Application Number	To Be Assigned
Filing Date	March 15, 2004
First Named Inventor	Timothy B. Sercombe
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	USA.301-1

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 20-0900

Deposit Account Name 3D Systems, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385	Utility filing fee	385.00
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	160	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND

Total Claims	Extra Claims	Fee from below	Fee Paid
56	-20** = 36	X 9.00 =	324.00
Independent Claims	2 - 3** = 0	X 43.00 =	0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
1202	2202	18	9	Claims in excess of 20
1201	2201	86	43	Independent claims in excess of 3
1203	2203	290	145	Multiple dependent claim, if not paid
1204	2204	86	43	** Reissue independent claims over original patent
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) \$324.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES


Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	2051	130	65	Surcharge - late filing fee or oath	
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130	Non - English specification	
1812	1812	2,520	2,520	For filing a request for ex parte reexamination	
1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action	
1251	2251	110	55	Extension for reply within first month	
1252	2252	420	210	Extension for reply within second month	
1253	2253	950	475	Extension for reply within third month	
1254	2254	1,480	740	Extension for reply within fourth month	
1255	2255	2,010	1,005	Extension for reply within fifth month	
1401	2401	330	165	Notice of Appeal	
1402	2402	330	165	Filing a brief in support of an appeal	
1403	2403	290	145	Request for oral hearing	
1451	1451	1,510	1,510	Petition to institute a public use proceeding	
1452	2452	110	55	Petition to revive - unavoidable	
1453	2453	1,330	665	Petition to revive - unintentional	
1501	2501	1,330	665	Utility issue fee (or reissue)	
1502	2502	480	240	Design issue fee	
1503	2503	640	320	Plant issue fee	
1460	1460	130	130	Petitions to the Commissioner	
1807	1807	50	50	Processing fee under 37 CFR § 1.17(q)	
1806	1806	180	180	Submission of Information Disclosure Statement	
8021	8021	40	40	Recording each patent assignment per property (times number of properties)	40.00
1809	2809	770	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	2810	770	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	2801	770	385	Request for Continued Examination (RCE)	
1802	900	900	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \$40.00

SUBMITTED BY

Name (Print/Type)	Ralph D'Alessandro	Registration No. (Attorney/Agent)	28,838	Telephone	661-295-5600 ext. 2404
Signature		Date	March 15, 2004		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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